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Claims:

1. (currently amended) A method for facilitating operations related to data storage between a first device and at least one data storage unit in a computer network, comprising the steps of:

causing generation of a storage services non-network protocol transaction;

encapsulating representing the storage services non-network protocol transaction into a payload portion of a in-at least one network protocol data unit, wherein said representing comprises encapsulating the non-network protocol transaction into a payload portion of the at least one network protocol data unit;

processing the ~~at least one~~ network protocol data unit based on a storage services protocol set to facilitate transmission of the at least one network protocol data unit;

extracting the storage services non-network protocol transaction from the at least one network protocol data unit;

operating upon the storage services non-network protocol transaction.

2. (original) The method of claim 1 wherein said processing step includes the further step of balancing loads associated with selected read transactions.

3. (original) The method of claim 1 wherein said processing step includes the further step of duplicating data units associated with selected write transactions to achieve mirroring.

4. (original) The method of claim 1 wherein said processing step includes the further step of duplicating data units associated with selected transactions to achieve N-way mirroring.

5. (original) The method of claim 1 wherein said processing step includes the further step of duplicating selected metadata.

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6. (original) The method of claim 1 wherein said processing step includes the further step of ensuring right to access based on originator.

7. (original) The method of claim 1 wherein said processing step includes the further step of blocking access to selected destinations.

8. (original) The method of claim 1 wherein said processing step includes the further step of monitoring and logging access.

9. (original) The method of claim 8 wherein said processing step includes the further step of employing results from access monitoring and logging to detect unauthorized intrusion.

10. (currently amended) Apparatus that facilitates operations related to data storage between a first device and at least one data storage unit in a computer network, comprising:

a file system that indicates location of data stored on at least one data storage unit, and  
circuitry that processes network protocol data units associated with the operations based on storage services protocol set information to facilitate transmission of the data unit, wherein said processing of the protocol data units includes encapsulating a storage services non-network protocol transactions into a payload portion of each of the network protocol data units.

11. (original) The apparatus of claim 10 wherein said circuitry balances loads associated with selected read transactions.

12. (original) The apparatus of claim 10 wherein said circuitry duplicates data units associated with selected write transactions to achieve mirroring.

13. (original) The apparatus of claim 10 wherein said circuitry duplicates data units associated with selected transactions to achieve N-way mirroring.

14. (original) The apparatus of claim 10 wherein said circuitry duplicates selected metadata.

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15. (original) The apparatus of claim 10 wherein said circuitry facilitates ensuring right to access based on originator.

16. (original) The apparatus of claim 10 wherein said circuitry blocks access to selected destinations.

17. (original) The apparatus of claim 10 wherein said circuitry monitors and logs access.

18. (original) The apparatus of claim 17 wherein said circuitry employs results from access monitoring and logging to detect unauthorized intrusion.

19. (original) The apparatus of claim 10 wherein said circuitry includes a host device.

20. (original) The apparatus of claim 10 wherein said circuitry includes a switch.

21. (cancelled)

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (cancelled)

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28. (cancelled)

29. (cancelled)

30. (cancelled)

31. (cancelled)